

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 0    | ((applicator apparatus device system) AND thermokeratoplasty AND electrical\$3 AND (electrode conduct\$3) AND (pair bipolar) AND elengate\$1 AND (conductor cylinder\$4 tube rod) AND insulat\$3 AND theramally AND conductive AND dielectric AND (position\$3 contact\$3 plac\$3) AND (cornea eye) AND cool\$3 AND (unit element)).clm.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/11/11 16:12 |
| L2    | 0    | ((applicator apparatus device system) AND thermokeratoplasty AND electrical\$3 AND (electrode conduct\$3) AND (pair bipolar) AND elengate\$1 AND (conductor cylinder\$4 tube rod) AND insulat\$3 AND theramally AND conductive AND dielectric AND (position\$3 contact\$3 plac\$3) AND (cornea eye) AND (vacuum suction) AND (passage port)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/11/11 16:13 |

## EAST Search History

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| S1    | 8    | (TREMBLY near B).in.   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2006/11/07 14:45 |
| S2    | 46   | ("4881543").URPN.  | USPAT                        | OR               | OFF     | 2006/03/14 17:20 |
| S3    | 46   | ("4881543").URPN.  | USPAT                        | OR               | OFF     | 2006/03/14 17:20 |
| S4    | 0    | ("6364875").URPN.  | USPAT                        | OR               | OFF     | 2006/03/14 17:26 |
| S5    | 13   | ("4381007"   "4417579"   "4619259"<br>  "4688570"   "4744362"  <br>"4881543"   "5108412"   "5348551"<br>  "5616139"   "5690123"  <br>"5779696"   "5833701"  <br>"6213997").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/03/14 17:26 |
| S6    | 26   | ("0603815"   "1108686"   "1364148"<br>  "2126070"   "2347915"  <br>"2525381"   "3237623"   "3307533"<br>  "3948269"   "3978864"  <br>"3991770"   "4003383"   "4014333"<br>  "4030480"   "4140130"  <br>"4326529"   "4381007"  <br>"4528991").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/03/14 17:28 |
| S7    | 234  | ("4381007").URPN.  | USPAT                        | OR               | OFF     | 2006/03/14 17:30 |
| S8    | 208  | ("4326529").URPN.  | USPAT                        | OR               | OFF     | 2006/03/14 17:43 |
| S9    | 0    | shudduck.in.   | USPAT                        | OR               | OFF     | 2006/03/14 17:43 |
| S10   | 51   | shadduck.in.   | USPAT                        | OR               | OFF     | 2006/03/14 17:55 |
| S11   | 0    | S10 and elctrode   | USPAT                        | OR               | OFF     | 2006/03/14 17:43 |
| S12   | 0    | S10 and elctrod\$  | USPAT                        | OR               | OFF     | 2006/03/14 17:43 |
| S13   | 11   | ("6053909").URPN.  | USPAT                        | OR               | OFF     | 2006/03/14 17:47 |
| S14   | 7    | ("4057063"   "4679561"   "5190517"<br>  "5643257"   "6053909"  <br>"6391026"   "6402742").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/03/14 17:49 |
| S15   | 7982 | ((606/4,5,23,27-34,37,38,41,42) or<br>(607/96-104,115)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/11/11 16:46 |
| S16   | 1    | S1 and (keratoplas\$5<br>thermokeratoplas\$5)  | USPAT                        | OR               | OFF     | 2006/03/14 18:00 |
| S17   | 171  | S15 and (keratoplas\$5<br>thermokeratoplas\$5)   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2006/11/11 16:46 |
| S18   | 29   | S17 and electrode\$1   | USPAT                        | OR               | OFF     | 2006/11/11 16:47 |
| S19   | 4    | S18 and (sensor detector)  | USPAT                        | OR               | OFF     | 2006/03/14 18:01 |

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|     |      |   |                        |    |     |                  |
|-----|------|---|------------------------|----|-----|------------------|
| S20 | 27   | (US-20040143250-\$ or US-20040111086-\$).did. or (US-6224593-\$ or US-4881543-\$ or US-6453202-\$ or US-6364875-\$ or US-6342053-\$ or US-5948011-\$ or US-5616139-\$ or US-5348551-\$ or US-4528991-\$ or US-4381007-\$ or US-4326529-\$ or US-6780176-\$ or US-6773431-\$ or US-6632220-\$ or US-6595990-\$ or US-6558381-\$ or US-6482201-\$ or US-6461354-\$ or US-6183469-\$ or US-6890332-\$ or US-6099521-\$ or US-6053909-\$ or US-6939344-\$ or US-5569242-\$ or US-5458596-\$).did. | US-PGPUB; USPAT        | OR | OFF | 2006/03/14 19:23 |
| S21 | 18   | S20 and (insulat\$3 dielectric)   | USPAT                  | OR | OFF | 2006/03/14 22:28 |
| S22 | 1    | ("6053909").PN.   | USPAT; USOCR           | OR | OFF | 2006/03/15 10:02 |
| S23 | 1    | ("6224593").PN.   | USPAT; USOCR           | OR | OFF | 2006/03/15 10:25 |
| S24 | 24   | ((("4,881,543") or ("603,815") or ("1108.686") or ("1,364148") or ("2126070") or ("2,347,915") or ("2,525,381") or ("3,237,623") or ("3,307,533") or ("3,948,269") or ("3978,864") or ("3,991,770") or ("4,003,383") or ("4,014333") or ("4,030,480") or ("4,140,130") or ("4,326,529") or ("4,381,007") or ("4528,991") or ("6,159,205"))).PN.   | USPAT; USOCR           | OR | OFF | 2006/03/15 10:25 |
| S25 | 8    | (TREMBLY near B).in.  | US-PGPUB; USPAT        | OR | OFF | 2006/11/07 14:45 |
| S26 | 1    | ("6413255").PN.   | USPAT; USOCR           | OR | OFF | 2006/11/09 14:38 |
| S27 | 1    | ("6758846").PN.   | USPAT; USOCR           | OR | OFF | 2006/11/09 14:38 |
| S28 | 5    | ("4976709"   "5755753"   "6169926"   "6228078"   "6277116").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/09 14:38 |
| S35 | 9    | thermokeratoplasty same electrode   | USPAT                  | OR | OFF | 2006/11/11 16:41 |
| S36 | 8899 | ((606/4,5,23,27-34,37,38,41,42,50) or (607/96-104,115)).CCLS.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/11 16:46 |
| S37 | 940  | "1" and (keratoplas\$5 thermokeratoplas\$5)   | US-PGPUB; USPAT        | OR | OFF | 2006/11/11 16:46 |
| S38 | 190  | S36 and (keratoplas\$5 thermokeratoplas\$5)   | US-PGPUB; USPAT        | OR | OFF | 2006/11/11 16:46 |
| S39 | 33   | S38 and electrode\$1  | USPAT                  | OR | OFF | 2006/11/11 16:47 |

## EAST Search History

|     |   |   |  |    |     |                  |
|-----|---|---|--|----|-----|------------------|
| S40 | 0 | S39 and dielctric\$3  | USPAT  | OR | OFF | 2006/11/11 16:47 |
| S41 | 9 | S39 and dielectric\$3   | USPAT  | OR | OFF | 2006/11/11 16:48 |
| S42 | 8 | S41 and cool\$3   | USPAT  | OR | OFF | 2006/11/11 16:48 |
| S43 | 1 | S42 and (vacuum suction)  | USPAT  | OR | OFF | 2006/11/11 16:48 |
| S44 | 0 | ((applicator apparatus device system) AND thermokeratoplasty AND electrical\$3 AND (electrode conduct\$3) AND (pair bipolar) AND elengate\$1 AND (conductor cylinder\$4 tube rod) AND insulat\$3 AND theramally AND conductive AND dielectric AND (position\$3 contact\$3 plac\$3) AND (cornea eye) AND cool\$3 AND (unit element)).clm.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/11 16:53 |
| S45 | 0 | ((applicator apparatus device system) AND thermokeratoplasty AND electrical\$3 AND (electrode conduct\$3) AND (pair bipolar) AND elengate\$1 AND (conductor cylinder\$4 tube rod) AND insulat\$3 AND theramally AND conductive AND dielectric AND (position\$3 contact\$3 plac\$3) AND (cornea eye) AND (vacuum suction) AND (passage port)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/11 16:54 |

|    | 1 | Document ID       | Title  | Current OR |
|----|---|-------------------|--|------------|
| 1  | X | US 20040111086 A1 | Feedback control of thermokeratoplasty treatments  | 606/27     |
| 2  | X | US 20040143250 A1 | Thermokeratoplasty systems   | 606/33     |
| 3  | X | US 4326529 A      | Corneal-shaping electrode  | 606/41     |
| 4  | X | US 4381007 A      | Multipolar corneal-shaping electrode with flexible removable skirt                       | 606/27     |
| 5  | X | US 4528991 A      | Microwave applicator for creating local hyperthermias                                    | 607/156    |
| 6  | X | US 4881543 A      | Combined microwave heating and surface cooling of the cornea                             | 606/27     |
| 7  | X | US 4976709 A      | Method for collagen treatment  | 606/5      |
| 8  | X | US 5112328 A      | Method and apparatus for laser surgery   | 606/4      |
| 9  | X | US 5348551 A      | Method for correcting refractive disorders   | 606/5      |
| 10 | X | US 5458596 A      | Method and apparatus for controlled contraction of soft tissue                           | 606/31     |
| 11 | X | US 5533999 A      | Method and apparatus for modifications of visual acuity by thermal means                 | 606/5      |
| 12 | X | US 5569242 A      | Method and apparatus for controlled contraction of soft tissue                           | 606/42     |
| 13 | X | US 5616139 A      | Method and apparatus for operating a cornea  | 606/4      |
| 14 | X | US 5634921 A      | Method and apparatus for modifications of visual acuity by thermal means                 | 606/5      |
| 15 | X | US 5948011 A      | Method for controlled contraction of collagen tissue via non-continuous energy delivery  | 607/101    |
| 16 | X | US 6053909 A      | Ionothermal delivery system and technique for medical procedures                         | 606/3      |
| 17 | X | US 6099521 A      | Semiconductor contact lens cooling system and technique for light-mediated eye therapies | 606/4      |

|    | <b>Inventor</b>           |
|----|---------------------------|
| 1  | Trembly, B. Stuart        |
| 2  | Trembly, B. Stuart        |
| 3  | Doss; James D. et al.     |
| 4  | Doss; James D.            |
| 5  | Dittmar; Andre et al.     |
| 6  | Trembly; B. Stuart et al. |
| 7  | Sand; Bruce J.            |
| 8  | Taboada; John et al.      |
| 9  | Spears; Kenneth G. et al. |
| 10 | Lax; Ronald G. et al.     |
| 11 | Hood; Larry et al.        |
| 12 | Lax; Ronald G. et al.     |
| 13 | Okamoto; Shinseiro        |
| 14 | Hood; Larry et al.        |
| 15 | Knowlton; Edward W.       |
| 16 | Shadduck; John H.         |
| 17 | Shadduck; John H.         |

|    | 1 | Document ID   | Title  | Current OR |
|----|---|---------------|--|------------|
| 18 | X | US 6183469 B1 | Electrosurgical systems and methods for the removal of pacemaker leads           | 606/41     |
| 19 | X | US 6224593 B1 | Tissue sealing using microwaves  | 606/41     |
| 20 | X | US 6228078 B1 | Methods for electrosurgical dermatological treatment                             | 606/32     |
| 21 | X | US 6342053 B1 | Apparatus for cornea reshaping   | 606/5      |
| 22 | X | US 6364875 B1 | Corneal heat and stretch method and apparatus                                    | 606/27     |
| 23 | X | US 6413255 B1 | Apparatus and method for treatment of tissue                                     | 606/41     |
| 24 | X | US 6453202 B1 | Method and apparatus for controlled contraction of collagen tissue               | 607/102    |
| 25 | X | US 6461354 B1 | Systems for electrosurgical dermatological treatment                             | 606/41     |
| 26 | X | US 6482201 B1 | Systems and methods for tissue resection, ablation and aspiration                | 606/41     |
| 27 | X | US 6558381 B2 | Noninvasive devices, methods, and systems for shrinking of tissues               | 606/41     |
| 28 | X | US 6595990 B1 | Systems and methods for electrosurgical tissue revascularization                 | 606/41     |
| 29 | X | US 6632220 B1 | Systems for electrosurgical tissue treatment in conductive fluid                 | 606/41     |
| 30 | X | US 6723093 B2 | Electrode assembly for a thermokeratoplasty system used to correct vision acuity | 606/41     |
| 31 | X | US 6773431 B2 | Method for epidermal tissue ablation   | 606/32     |
| 32 | X | US 6780176 B2 | Eyesight correcting apparatus  | 606/27     |
| 33 | X | US 6890332 B2 | Electrical discharge devices and techniques for medical procedures               | 606/41     |
| 34 | X | US 6939344 B2 | Method for controlling skin temperature during thermal treatment                 | 606/9      |

|    | <b>Inventor</b>             |
|----|-----------------------------|
| 18 | Thapliyal; Hira V. et al.   |
| 19 | Ryan; Thomas Patrick et al. |
| 20 | Eggers; Philip E. et al.    |
| 21 | Berry; Michael J.           |
| 22 | Stanley, III; H. Mark       |
| 23 | Stern; Roger A.             |
| 24 | Knowlton; Edward W.         |
| 25 | Olsen; Phillip M. et al.    |
| 26 | Olsen; Phillip M. et al.    |
| 27 | Ingle; Frank et al.         |
| 28 | Weinstein; Allan et al.     |
| 29 | Eggers; Philip E. et al.    |
| 30 | Goth; Paul R. et al.        |
| 31 | Eggers; Philip E. et al.    |
| 32 | Hasegawa; Tokuichiro        |
| 33 | Truckai; Csaba et al.       |
| 34 | Kreindel; Michael           |



|    | 1 | Document ID   | Title  | Current OR |
|----|---|---------------|--|------------|
| 35 | X | US 7018377 B2 | Method and apparatus for<br>modifications of visual acuity<br>by thermal means | 606/5      |

|           | <b>Inventor</b>       |
|-----------|-----------------------|
| <b>35</b> | Hood; Larry L. et al. |